Active Recombinant Human DSG3, Fc-tagged

Cat. No. DSG3-38H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DSG3 was expressed in Mouse NSO Cells.
Species	Human
Source	Mammalian Cells
Description	Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Desmoglein 3 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Currently, three desmoglein subfamily members have been identified and all are members of the cadherin cell adhesion molecule superfamily. These desmoglein gene family members are located in a cluster on chromosome 18. This protein has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus vulgaris.?
Predicted N Terminal	Glu50
Form	Lyophilized from a 0.2 μm filtered solution in MES and NaCl.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of Caki?2 human clear cell carcinoma epithelial cells.When 3 x 10^4 cells/well are added to rhDesmoglein-3 coated plates (10 μg/mL, 100 μL/well), approximately 45 - 65% will adhere after 90 minutes at 37° C.
Molecular Mass	Predicted Molecular Mass: 89.5 kDa (monomer)SDS-PAGE: 105-110 kDa, reducing conditions

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Endotoxin	< 1.0 eu per 1 μg of the protein by the lal
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 °C as supplied.1 month, 2 to 8 °C under sterile conditions after reconstitution.3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS.

GENE INFORMATION

Gene Name	DSG3?desmoglein 3 [?Homo sapiens?(human)]
Official Symbol	DSG3
Synonyms	DSG3; PVA; CDHF6; desmoglein 3; desmoglein-3; cadherin family member 6; pemphigus vulgaris antigen; 130-kD pemphigus vulgaris antigen; 130 kDa pemphigus vulgaris antigen
Gene ID	1830
mRNA Refseq	NM_001944
Protein Refseq	NP_001935
MIM	169615
UniProt ID	P32926
Chromosome	18q12.1

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Location	
Pathway	Apoptosis; Apoptotic cleavage of cell adhesion proteins; Apoptotic execution phase
Function	calcium ion binding

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